



HYGIENETECH

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March 19, 2012

California State Board of Equalization
450 N Street
Sacramento, California 94279

Document No. 21202001.2

Attention: David Gau

Regarding: Limited Fungal Growth Exposure Assessment Survey
February 2012 QPCR Air Sampling

Dear Mr. Gau:

On February 24, 2012, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited fungal growth exposure assessment survey within the California State Board of Equalization (BOE) building located at 450 N Street in Sacramento, California. Air samples were analyzed using quantitative polymerase chain reaction (QPCR) analysis. During the survey, three air samples each were collected from Floors 2, 4, 6, 8, 10, 14, 16, 18, 20, 22, and 24.

Air samples for QPCR analysis were collected on filter cassettes containing pre-loaded 37-millimeter diameter, polycarbonate filters having a pore size of four micrometers using high volume air sampling pumps. Each pump flow rate was calibrated and verified using a DryCal® DC-Lite Primary Flow Meter. All such samples were subsequently analyzed by trained and experienced microbiologists at Emlab P&K, a laboratory accredited by the American Industrial Hygiene Association (AIHA) and that successfully participates in the AIHA Environmental Microbiology Proficiency Analytical Testing Program. Two samples per floor collected for QPCR analysis were analyzed for quantification of *Cladosporium* species via custom panel for *Cladosporium*, which included *C. cladosporioides* (Type 1), *C. cladosporioides* (Type 2), *C. herbarum*, and *C. sphaerospermum*. One sample per floor along with the outdoor samples collected for QPCR analysis were analyzed for quantification of *Cladosporium* species via custom panel for *Cladosporium*, which included *Cladosporium cladosporioides* (Type 2), *Cladosporium herbarum*, *Cladosporium sphaerospermum*, as well as an additional 23 important indoor molds including *Cladosporium cladosporioides* (Type 1). Applied methodology has been developed by and is licensed through the EPA.

On the survey date, the airborne spore equivalent count data as presented in Table 21202001-8A showed fungal spore equivalent types outdoors such as *Acremonium strictum*, *Alternaria alternata*, *Aspergillus flavus* (*A. flavus* and *A. oryzae*), *Aspergillus fumigatus* (*A. fumigatus* and *Neosartorya fischeri*), *Aspergillus niger* (*A. niger*, *A. foetidus* and *A. phoenicis*), *Aspergillus ochraceus* (*A. ochraceus* and *A. ostianus*), *Aspergillus ustus*, *Aspergillus versicolor*, *Chaetomium globosum*, *Cladosporium cladosporioides* (Type 1), *Cladosporium cladosporioides* (Type 2), *Cladosporium herbarum*, *Cladosporium sphaerospermum*, *Eurotium* (*Asp.*) *amstelodami* (*E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*), *Paecilomyces variotii*, *Penicillium aurantiogriseum* (*P.*

Mr. David Gau

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aurantiogriseum, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*), *Penicillium brevicompactum*, *Penicillium chrysogenum* (Type 2)(dominate subgroups of species), *Penicillium purpurogenum*, *Penicillium variabile*, *Scopulariopsis brevicaulis* (*S.brevicaulis* and *S. Fusca*), and/or *Stachybotrys chartarum*. As presented in Tables 21202001-8A and 8B, in the indoor areas tested on the survey date, the data showed low airborne concentrations of fungal spore equivalent that included one or more of the following: *Alternaria alternata*, *Aspergillus fumigatus* (*A. fumigatus* and *Neosartorya fischeri*), *Aspergillus niger* (*A. niger*, *A. foetidus* and *A. phoenicis*), *Aspergillus ochraceus* (*A. ochraceus* and *A. ostianus*), *Cladosporium cladosporioides* (Type 1), *Cladosporium cladosporioides* (Type 2), *Cladosporium herbarum*, *Cladosporium sphaerospermum*, *Eurotium* (Asp.) *amstelodami* (*E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*), *Paecilomyces variotii*, *Penicillium aurantiogriseum* (*P. aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*), *Penicillium brevicompactum*, *Penicillium chrysogenum* (Type 2)(dominate subgroups of species), and/or *Penicillium variabile*.

Please note that *Cladosporium sphaerospermum*, the dominant species of *Cladosporium* genus identified in the heating, ventilating, and air conditioning (HVAC) duct interior was either not detected above the laboratory analytical limit or was found at very low and comparable levels in both the indoor and outdoor samples collected. The distribution of fungal spore equivalent types detected in the surveyed areas was consistent with those found outdoors, and the overall data within the tested areas were well below the overall data recorded outdoors. Collectively, these data were considered unremarkable and are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

Be advised that the data provided in this report only represent limited fungal growth and exposure potentials that existed at the time the survey was performed and at the precise sample locations indicated, the latter of which were selected based on the available background information provided. Note that fungal growth and exposure potentials may change due to changes in environmental conditions (such as those caused by water intrusion), use of mechanical systems, changes in fungal growth within HVAC systems, or other factors.

If you have any comments or questions regarding the information contained in this correspondence, please feel free to contact our offices directly at (310) 370-8370.

Sincerely,

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

Kenny K. Hsi, CIH
Technical Director

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

APPENDIX A



**TABLE 21202001-8A
QUANTITATIVE PCR RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
FEBRUARY 24, 2012**

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Results reported in spore equivalent per cubic meter of air (SE/m³)

SAMPLE NUMBER	21202001-8 P01OUT	21202001-8 P02	21202001-8 P04	21202001-8 P07
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 15 feet north of the building; approximately five feet above ground/Normal outdoor activities	2 nd Floor; Elevator Lobby; approximately five feet above floor/Sampling activities only	6 th Floor; Elevator Lobby; approximately five feet above floor/Sampling activities only	14 th Floor; Elevator Lobby; approximately five feet above floor/Sampling activities only
START/STOP	04:57:00/07:58:00	05:00:00/08:18:00	05:07:00/08:23:00	05:20:00/08:30:00
SAMPLE TIME	181 minutes	198 minutes	196 minutes	190 minutes
Acremonium strictum	1	<1	<1	<1
Alternaria alternata	2	1	<1	<1
Aspergillus flavus ^{a)}	1	<1	<1	<1
Aspergillus fumigatus ^{b)}	5	4	1	<1
Aspergillus niger ^{c)}	6	1	<1	<1
Aspergillus ochraceus ^{d)}	<1	<1	<1	<1
Aspergillus sydowii	<6	<5	<5	<4
Aspergillus ustus	<1	<1	<1	<1
Aspergillus versicolor	2	<1	<1	<1
Chaetomium globosum	<1	<1	<1	<1
Cladosporium cladosporioides (T-1)	1,600	130	61	63
Cladosporium cladosporioides (T-2)	2	1	1	<1
Cladosporium herbarum	22	2	1	<1
Cladosporium sphaerospermum	<1	1	1	<1
Eurotium (Asp.) amstelodami ^{e)}	78	7	<1	<1
Memnoniella echinata	<1	<1	<1	<1
Paecilomyces variotii	<1	<1	<1	<1
Penicillium aurantiogriseum ^{f)}	8	<1	<2	<1
Penicillium brevicompactum	48	<1	6	1
Penicillium chrysogenum (T-2) ^{g)}	<1	<1	<1	<1
Penicillium purpurogenum	<1	<1	<1	<1
Penicillium variable	<3	6	<3	<2
Scopulariopsis brevicaulis ^{h)}	<1	<1	<1	<1
Stachybotrys chartarum	<1	<1	<1	<1
Trichoderma viride ⁱ⁾	<1	<1	<1	<1
Ulocladium botrytis	<1	<1	<1	<1

a) Includes A. flavus and A. oryzae

c) Includes A. niger, A. foetidus and A. phoenicis

e) Includes E. amstelodami, E. chevalieri, E. herbariorum, E. rubrum and E. repens

g) Includes dominant subgroups of species

i) Includes T. viride, T. atroviride and T. koningii

b) Includes A. fumigatus and Neosartorya fischeri

d) Includes A. ochraceus and A. ostianus

f) Includes P. aurantiogriseum, P. freii, P. polonicum, P. tricolor and P. viridicatum

h) Includes S. brevicaulis and S. fusca

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APPENDIX A



**TABLE 21202001-8A
QUANTITATIVE PCR RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
FEBRUARY 24, 2012**

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Results reported in spore equivalent per cubic meter of air (SE/m³)

SAMPLE NUMBER	21202001-8 P11	21202001-8 P13OUT	21202001-8 P17	21202001-8 P18
SAMPLING LOCATION/ACTIVITIES	22 nd Floor; Elevator Lobby; approximately five feet above floor/Sampling activities only	Outdoors; 23 rd Floor western deck; western portion; about center; approximately five feet above floor/Normal outdoor activities	18 th Floor; Column N20 area; Quiet Room 1815; about center; approximately five feet above floor/Normal office activities	16 th Floor; Column N20 area; Quiet Room 1614; about center; approximately five feet above floor/Normal office activities
START/STOP	05:34:00/08:37:00	08:19:00/11:19:00	09:12:00/12:20:00	09:17:00/12:25:00
SAMPLE TIME	183 minutes	180 minutes	188 minutes	188 minutes
<i>Acremonium strictum</i>	<1	1	<1	<1
<i>Alternaria alternata</i>	<1	14	1	<1
<i>Aspergillus flavus</i> ^{a)}	<1	1	<1	<1
<i>Aspergillus fumigatus</i> ^{b)}	5	42	3	<1
<i>Aspergillus niger</i> ^{c)}	<1	10	<1	<1
<i>Aspergillus ochraceus</i> ^{d)}	1	<1	<1	<1
<i>Aspergillus sydowii</i>	<3	<6	<6	<7
<i>Aspergillus ustus</i>	<1	3	<1	<1
<i>Aspergillus versicolor</i>	<1	10	<1	<1
<i>Chaetomium globosum</i>	<1	1	<1	<1
<i>Cladosporium cladosporioides</i> (T-1)	66	7,100	78	27
<i>Cladosporium cladosporioides</i> (T-2)	1	20	<1	1
<i>Cladosporium herbarum</i>	3	160	1	1
<i>Cladosporium sphaerospermum</i>	1	1	<1	<1
<i>Eurotium (Asp.) amstelodami</i> ^{e)}	6	170	<1	<1
<i>Memnoniella echinata</i>	<1	<1	<1	<1
<i>Paecilomyces variotii</i>	<1	<1	<1	<1
<i>Penicillium aurantiogriseum</i> ^{f)}	<1	39	<2	<2
<i>Penicillium brevicompactum</i>	4	31	9	18
<i>Penicillium chrysogenum</i> (T-2) ^{g)}	<1	5	<1	<1
<i>Penicillium purpurogenum</i>	<1	<1	<1	<1
<i>Penicillium variable</i>	<2	10	<4	<4
<i>Scopulariopsis brevicaulis</i> ^{h)}	<1	1	<1	<1
<i>Stachybotrys chartarum</i>	<1	1	<1	<1
<i>Trichoderma viride</i> ⁱ⁾	<1	<1	<1	<1
<i>Ulocladium botrytis</i>	<1	<1	<1	<1

a) Includes *A. flavus* and *A. oryzae*

c) Includes *A. niger*, *A. foetidus* and *A. phoenicis*

e) Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

g) Includes dominant subgroups of species

i) Includes *T. viride*, *T. atroviride* and *T. koningii*

b) Includes *A. fumigatus* and *Neosartorya fischeri*

d) Includes *A. ochraceus* and *A. ostianus*

f) Includes *P. aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor* and *P. viridicatum*

h) Includes *S. brevicaulis* and *S. fusca*

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**TABLE 21202001-8A
QUANTITATIVE PCR RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
FEBRUARY 24, 2012**

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Results reported in spore equivalent per cubic meter of air (SE/m³)

SAMPLE NUMBER	21202001-8 P21	21202001-8 P25OUT	21202001-8 P26	21202001-8 P28
SAMPLING LOCATION/ACTIVITIES	8 th Floor; Column N-19 area; Cubicle at Column N-19; about center; approximately five feet above floor/Sampling activities only	M Floor; outside air supply intake plenum; approximately five feet above floor/Routine activities only	24 th Floor; Room 2443; about center; approximately five feet above floor/Normal office activities	20 th Floor; Column K-21 area; Room 2016; about center; approximately five feet above floor/Normal office activities
START/STOP	09:31:00/12:45:00	11:37:00/14:46:00	12:07:00/15:08:00	13:05:00/16:10:00
SAMPLE TIME	194 minutes	189 minutes	189 minutes	185 minutes
Acremonium strictum	<1	3	<1	<1
Alternaria alternata	<1	26	<1	<1
Aspergillus flavus ^{a)}	<1	<1	<1	<1
Aspergillus fumigatus ^{b)}	2	42	<1	<1
Aspergillus niger ^{c)}	<1	3	<1	<1
Aspergillus ochraceus ^{d)}	<1	<1	<1	<1
Aspergillus sydowii	<6	<6	<6	<6
Aspergillus ustus	<1	<1	<1	<1
Aspergillus versicolor	<1	2	<1	<1
Chaetomium globosum	<1	<1	<1	<1
Cladosporium cladosporioides (T-1)	57	7,600	130	15
Cladosporium cladosporioides (T-2)	<1	34	2	1
Cladosporium herbarum	1	300	2	3
Cladosporium sphaerospermum	<1	1	<1	1
Eurotium (Asp.) amstelodami ^{e)}	<1	250	<1	<1
Memnoniella echinata	<1	<1	<1	<1
Paecilomyces variotii	<1	1	<1	<1
Penicillium aurantiogriseum ^{f)}	<2	<2	<2	<2
Penicillium brevicompactum	10	40	23	2
Penicillium chrysogenum (T-2) ^{g)}	<1	<1	<1	<1
Penicillium purpurogenum	<1	16	<1	<1
Penicillium variable	<4	<3	<3	<3
Scopulariopsis brevicaulis ^{h)}	<1	<1	<1	<1
Stachybotrys chartarum	<1	<1	<1	<1
Trichoderma viride ⁱ⁾	<1	<1	<1	<1
Ulocladium botrytis	<1	<1	<1	<1

a) Includes A. flavus and A. oryzae

c) Includes A. niger, A. foetidus and A. phoenicis

e) Includes E. amstelodami, E. chevalieri, E. herbariorum, E. rubrum and E. repens

g) Includes dominant subgroups of species

i) Includes T. viride, T. atroviride and T. koningii

b) Includes A. fumigatus and Neosartorya fischeri

d) Includes A. ochraceus and A. ostianus

f) Includes P. aurantiogriseum, P. freii, P. polonicum, P. tricolor and P. viridicatum

h) Includes S. brevicaulis and S. fusca

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**TABLE 21202001-8A
QUANTITATIVE PCR RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
FEBRUARY 24, 2012**

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Results reported in spore equivalent per cubic meter of air (SE/m³)

SAMPLE NUMBER	21202001-8 P32	21202001-8 P35	21202001-8 P37OUT	21202001-8 P38 BLANK
SAMPLING LOCATION/ACTIVITIES	10 th Floor; Column K-18 area; Room 1012; eastern portion; about center; approximately five feet above floor/Sampling activities only	4 th Floor; Column L-18 area; Quiet Room 416; about center; approximately five feet above floor/Normal office activities	Outdoors; garage; northern portion; approximately five feet above ground/Normal outdoor activities	Field Blank
START/STOP	13:40:00/14:49:00	13:57:00/17:06:00	15:03:00/18:03:00	N/A
SAMPLE TIME	189 minutes	189 minutes	180 minutes	N/A
Acremonium strictum	<1	<1	<1	<1
Alternaria alternata	<1	<1	9	<1
Aspergillus flavus ^{a)}	<1	<1	<1	<1
Aspergillus fumigatus ^{b)}	6	<1	5	<1
Aspergillus niger ^{c)}	1	<1	8	<1
Aspergillus ochraceus ^{d)}	<1	<1	1	<1
Aspergillus sydowii	<6	<6	<5	<8
Aspergillus ustus	<1	<1	1	<1
Aspergillus versicolor	<1	<1	2	<1
Chaetomium globosum	<1	<1	<1	<1
Cladosporium cladosporioides (T-1)	110	21	2,400	<1
Cladosporium cladosporioides (T-2)	1	1	65	<1
Cladosporium herbarum	1	1	43	<1
Cladosporium sphaerospermum	1	<1	1	<1
Eurotium (Asp.) amstelodami ^{e)}	<1	<1	87	<1
Memnoniella echinata	<1	<1	<1	<1
Paecilomyces variotii	<1	<1	<1	<1
Penicillium aurantiogriseum ^{f)}	<2	8	18	<2
Penicillium brevicompactum	3	7	27	<2
Penicillium chrysogenum (T-2) ^{g)}	<1	2	<1	<1
Penicillium purpurogenum	<1	<1	<1	<1
Penicillium variable	<4	<3	<3	<4
Scopulariopsis brevicaulis ^{h)}	<1	<1	1	<1
Stachybotrys chartarum	<1	<1	<1	<1
Trichoderma viride ⁱ⁾	<1	<1	<1	<1
Ulocladium botrytis	<1	<1	<1	<1

a) Includes A. flavus and A. oryzae

c) Includes A. niger, A.foetidus and A.phoenicis

e) Includes E. amstelodami, E.chevalieri, E.herbariorum, E.rubrum and E.repens

g) Includes dominant subgroups of species

i) Includes T.viride, T.atroviride and T.koningii

b) Includes A. fumigatus and Neosartorya fischeri

d) Includes A. ochraceus and A.ostianus

f) Includes P. aurantiogriseum, P.freii, P.polonicum, P.tricolor and P.viridicatum

h) Includes S.brevicaulis and S.fusca

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**TABLE 21202001-8B
QUANTITATIVE PCR RESULTS
CLADOSPORIUM CUSTOM PANEL
450 N STREET
SACRAMENTO, CALIFORNIA
FEBRURY 24, 2012**

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Results reported in spore equivalent per cubic meter of air (SE/m³)

SAMPLE NUMBER	21202001-8 P03	21202001-8 P05	21202001-8 P06	21202001-8 P08
SAMPLING LOCATION/ACTIVITIES	4 th Floor; Elevator Lobby; approximately five feet above floor/Sampling activities only	8 th Floor; Elevator Lobby; approximately five feet above floor/Sampling activities only	10 th Floor; Elevator Lobby; approximately five feet above floor/Sampling activities only	16 th Floor; Elevator Lobby; approximately five feet above floor/Sampling activities only
START/STOP	05:04:00/08:21:00	05:11:00/08:25:00	05:15:00/08:27:00	05:23:00/08:32:00
SAMPLE TIME	197 minutes	194 minutes	192 minutes	189 minutes
Cladosporium cladosporioides (T-1)	160	35	56	23
Cladosporium cladosporioides (T-2)	1	<1	1	1
Cladosporium herbarum	3	1	1	1
Cladosporium sphaerospermum	<1	<1	1	<1

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**TABLE 21202001-8B
QUANTITATIVE PCR RESULTS
CLADOSPORIUM CUSTOM PANEL
450 N STREET
SACRAMENTO, CALIFORNIA
FEBRURY 24, 2012**

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Results reported in spore equivalent per cubic meter of air (SE/m³)

SAMPLE NUMBER	21202001-8 P09	21202001-8 P10	21202001-8 P12	21202001-8 P14
SAMPLING LOCATION/ACTIVITIES	18 th Floor; Elevator Lobby; approximately five feet above floor/Sampling activities only	20 th Floor; Elevator Lobby; approximately five feet above floor/Sampling activities only	24 th Floor; Elevator Lobby; approximately five feet above floor/Sampling activities only	24 th Floor; Room 2450; about center; approximately five feet above floor/Sampling activities only
START/STOP	05:26:00/08:34:00	05:30:00/08:36:00	05:37:00/08:39:00	08:56:00/12:03:00
SAMPLE TIME	188 minutes	186 minutes	182 minutes	187 minutes
Cladosporium cladosporioides (T-1)	120	68	130	31
Cladosporium cladosporioides (T-2)	1	1	1	1
Cladosporium herbarum	1	4	4	1
Cladosporium sphaerospermum	1	1	1	1

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**TABLE 21202001-8B
QUANTITATIVE PCR RESULTS
CLADOSPORIUM CUSTOM PANEL
450 N STREET
SACRAMENTO, CALIFORNIA
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Results reported in spore equivalent per cubic meter of air (SE/m³)

SAMPLE NUMBER	21202001-8 P15	21202001-8 P16	21202001-8 P19	21202001-8 P20
SAMPLING LOCATION/ACTIVITIES	22 nd Floor; Column K-18 area; about 4 feet northeast of Column; approximately five feet above floor/Normal office activities	20 th Floor; Column N-21 area; about 15 feet southeast of Column N-21; approximately five feet above floor/Normal office activities	14 th Floor; Quiet Room 1408; about center; approximately five feet above floor/Normal office activities	10 th Floor; Column N-18 area; Cubicle 112; approximately five feet above floor/Normal office activities
START/STOP	09:03:00/12:11:00	09:08:00/12:17:00	09:22:00/12:29:00	09:27:00/12:41:00
SAMPLE TIME	188 minutes	189 minutes	187 minutes	194 minutes
Cladosporium cladosporioides (T-1)	31	14	57	51
Cladosporium cladosporioides (T-2)	1	1	1	1
Cladosporium herbarum	1	1	5	1
Cladosporium sphaerospermum	<1	<1	<1	1

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**TABLE 21202001-8B
QUANTITATIVE PCR RESULTS
CLADOSPORIUM CUSTOM PANEL
450 N STREET
SACRAMENTO, CALIFORNIA
FEBRURY 24, 2012**

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Results reported in spore equivalent per cubic meter of air (SE/m³)

SAMPLE NUMBER	21202001-8 P22	21202001-8 P23	21202001-8 P24	21202001-8 P27
SAMPLING LOCATION/ACTIVITIES	6 th Floor; Quiet Room 609; about center; approximately five feet above floor/Normal office activities	4 th Floor; Column N-21 area; Cubicle 50; about center; approximately five feet above floor/Normal office activities	2 nd Floor; Column N-23; Cubicle 42; about center; approximately five feet above floor/Normal office activities	22 nd Floor; Room 2221; southeastern corner; approximately five feet above floor/Normal office activities
START/STOP	09:35:00/12:48:00	09:41:00/12:53:00	15:19:00/18:19:00	12:38:00/15:47:00
SAMPLE TIME	193 minutes	192 minutes	180 minutes	189 minutes
Cladosporium cladosporioides (T-1)	35	25	13	73
Cladosporium cladosporioides (T-2)	2	1	<1	1
Cladosporium herbarum	2	1	<1	2
Cladosporium sphaerospermum	<1	1	1	<1

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**TABLE 21202001-8B
QUANTITATIVE PCR RESULTS
CLADOSPORIUM CUSTOM PANEL
450 N STREET
SACRAMENTO, CALIFORNIA
FEBRURY 24, 2012**

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Results reported in spore equivalent per cubic meter of air (SE/m³)

SAMPLE NUMBER	21202001-8 P29	21202001-8 P30	21202001-8 P31	21202001-8 P33
SAMPLING LOCATION/ACTIVITIES	18 th Floor; Column L-18 area; Cubicle 21; approximately five feet above floor/ Normal office activities	16 th Floor; northeastern corner; Room 1612; about center; approximately five feet above floor/ Normal office activities	14 th Floor; Area between Column N-17 and M-17; Cubicle 100.02; about center; approximately five feet above floor/Normal office activities	8 th Floor; Area between Column M-18 and L-18 area; Cubicle 97; about center; approximately five feet above floor/Sampling activities only
START/STOP	13:13:00/16:15:00	13:20:00/15:21:00	13:28:00/16:30:00	13:45:00/13:55:00
SAMPLE TIME	182 minutes	181 minutes	182 minutes	190 minutes
Cladosporium cladosporioides (T-1)	19	29	65	58
Cladosporium cladosporioides (T-2)	1	1	1	1
Cladosporium herbarum	1	1	1	1
Cladosporium sphaerospermum	<1	1	<1	1

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

APPENDIX A



**TABLE 21202001-8B
QUANTITATIVE PCR RESULTS
CLADOSPORIUM CUSTOM PANEL
450 N STREET
SACRAMENTO, CALIFORNIA
FEBRURY 24, 2012**

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Results reported in spore equivalent per cubic meter of air (SE/m³)

SAMPLE NUMBER	21202001-8 P34	21202001-8 P36		
SAMPLING LOCATION/ACTIVITIES	6 th Floor; Column K-18; Cubicle 45; about center; approximately five feet above floor/Normal office activities	22 nd Floor Column N-18; Cubicle at N-18; about center approximately five feet above floor/Normal office activities	This column intentionally left blank	This column intentionally left blank
START/STOP	13:52:00/17:01:00	15:24:00/18:24:00		
SAMPLE TIME	189 minutes	180 minutes		
Cladosporium cladosporioides (T-1)	27	21		
Cladosporium cladosporioides (T-2)	1	1		
Cladosporium herbarum	1	1		
Cladosporium sphaerospermum	<1	<1		



PCR - Custom Panel

Prepared Exclusively For:

Hygiene Technologies International, Inc.
3625 Del Amo Blvd Suite 180
Torrance, CA 90503-1643

Project Name: 21202001-8

Project ID Number: 894269

March 7, 2012

This report has been prepared at the request of and for the exclusive use of the client named in this report. EMLabP&K will not release results or report to a third party without prior written consent.

Results:

Sample ID	21202001-8 P03		21202001-8 P05		21202001-8 P06	
Air Volume [m ³]	1.517		1.552		1.469	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	250	160	55	35	82	56
<i>Cladosporium cladosporioides</i> (Type 2)	1	1	ND	<1	1	1
<i>Cladosporium herbarum</i>	4	3	1	1	1	1
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	1	1

Sample ID	21202001-8 P08		21202001-8 P09		21202001-8 P10	
Air Volume [m ³]	1.455		1.485		1.469	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	33	23	180	120	100	68
<i>Cladosporium cladosporioides</i> (Type 2)	1	1	1	1	1	1
<i>Cladosporium herbarum</i>	2	1	2	1	5	4
<i>Cladosporium sphaerospermum</i>	ND	<1	1	1	1	1

Sample ID	21202001-8 P12		21202001-8 P14		21202001-8 P15	
Air Volume [m ³]	1.447		1.412		1.410	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	190	130	43	31	44	31
<i>Cladosporium cladosporioides</i> (Type 2)	1	1	1	1	1	1
<i>Cladosporium herbarum</i>	5	4	1	1	2	1
<i>Cladosporium sphaerospermum</i>	1	1	1	1	ND	<1

Sample ID	21202001-8 P16		21202001-8 P19		21202001-8 P20	
Air Volume [m ³]	1.394		1.402		1.426	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	20	14	79	57	73	51
<i>Cladosporium cladosporioides</i> (Type 2)	1	1	1	1	1	1
<i>Cladosporium herbarum</i>	2	1	6	5	1	1
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	1	1

* SE = Spore Equivalents, ND = Not Detected

Sample ID	21202001-8 P22		21202001-8 P23		21202001-8 P24	
Air Volume [m ³]	1.435		1.411		1.359	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	50	35	35	25	17	13
<i>Cladosporium cladosporioides</i> (Type 2)	3	2	1	1	ND	<1
<i>Cladosporium herbarum</i>	3	2	1	1	ND	<1
<i>Cladosporium sphaerospermum</i>	ND	<1	1	1	1	1

* SE = Spore Equivalents, ND = Not Detected

Sample ID	21202001-8 P27		21202001-8 P29		21202001-8 P30	
Air Volume [m ³]	1.436		1.418		1.403	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	100	73	28	19	40	29
<i>Cladosporium cladosporioides</i> (Type 2)	1	1	1	1	1	1
<i>Cladosporium herbarum</i>	3	2	1	1	1	1
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	1	1

* SE = Spore Equivalents, ND = Not Detected

Sample ID	21202001-8 P31		21202001-8 P33		21202001-8 P34	
Air Volume [m ³]	1.356		1.411		1.399	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	88	65	82	58	38	27
<i>Cladosporium cladosporioides</i> (Type 2)	1	1	1	1	1	1
<i>Cladosporium herbarum</i>	1	1	1	1	1	1
<i>Cladosporium sphaerospermum</i>	ND	<1	1	1	ND	<1

* SE = Spore Equivalents, ND = Not Detected

Sample ID	21202001-8 P36	
Air Volume [m ³]	1.332	
Fungal ID	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	28	21
<i>Cladosporium cladosporioides</i> (Type 2)	1	1
<i>Cladosporium herbarum</i>	1	1
<i>Cladosporium sphaerospermum</i>	ND	<1

* SE = Spore Equivalents, ND = Not Detected

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PCR - Custom Panel

Prepared Exclusively For:

Hygiene Technologies International, Inc.
3625 Del Amo Blvd Suite 180
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Project Name: 21202001-8

Project ID Number: 894269

March 7, 2012

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Results:

Sample ID	21202001-8 P01 Out		21202001-8 P02		21202001-8 P04	
	Air Volume [m ³]	1.466	Air Volume [m ³]	1.495	Air Volume [m ³]	1.548
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Acremonium strictum</i>	1	1	ND	<1	ND	<1
<i>Alternaria alternata</i>	2	2	1	1	ND	<1
<i>Aspergillus flavus</i> ^a	1	1	ND	<1	ND	<1
<i>Aspergillus fumigatus</i> ^b	7	5	6	4	1	1
<i>Aspergillus niger</i> ^c	8	6	1	1	ND	<1
<i>Aspergillus ochraceus</i> ^d	ND	<1	ND	<1	ND	<1
<i>Aspergillus sydowii</i>	ND	<6	ND	<5	ND	<5
<i>Aspergillus ustus</i>	ND	<1	ND	<1	ND	<1
<i>Aspergillus versicolor</i>	3	2	ND	<1	ND	<1
<i>Chaetomium globosum</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium cladosporioides</i> (Type 1)	2400	1600	200	130	94	61
<i>Cladosporium cladosporioides</i> (Type 2)	3	2	1	1	1	1
<i>Cladosporium herbarum</i>	32	22	3	2	1	1
<i>Cladosporium sphaerospermum</i>	ND	<1	1	1	1	1
<i>Eurotium (Asp.) amstelodami</i> ^e	110	78	10	7	ND	<1
<i>Memnoniella echinata</i>	ND	<1	ND	<1	ND	<1
<i>Paecilomyces variotii</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium aurantiogriseum</i> ^f	12	8	ND	<1	ND	<2
<i>Penicillium brevicompactum</i>	71	48	ND	<1	10	6
<i>Penicillium chrysogenum</i> (Type 2) ^g	ND	<1	ND	<1	ND	<1
<i>Penicillium purpurogenum</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium variable</i>	ND	<3	9	6	ND	<3
<i>Scopulariopsis brevicaulis</i> ^h	ND	<1	ND	<1	ND	<1
<i>Stachybotrys chartarum</i>	ND	<1	ND	<1	ND	<1
<i>Trichoderma viride</i> ⁱ	ND	<1	ND	<1	ND	<1
<i>Ulocladium botrytis</i>	ND	<1	ND	<1	ND	<1

* SE = Spore Equivalents, ND = Not Detected

^a Includes *A. flavus* and *A. oryzae*

^b Includes *A. fumigatus* and *Neosartorya fischeri*

^c Includes *A. niger*, *A. foetidus* and *A. phoenicis*

^d Includes *A. ochraceus* and *A. ostianus*

^e Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

^f Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

^g Includes dominant subgroup of species

^h Includes *S. brevicaulis* and *S. fusca*

ⁱ Includes *T. viride*, *T. atroviride* and *T. koningii*

Results:

Sample ID	21202001-8 P07		21202001-8 P11		21202001-8 P13 Out	
	Air Volume [m ³]	1.444	SE*	SE/m3	SE*	SE/m3
Fungal ID						
<i>Acremonium strictum</i>	ND	<1	ND	<1	2	1
<i>Alternaria alternata</i>	ND	<1	ND	<1	20	14
<i>Aspergillus flavus</i> ^a	ND	<1	ND	<1	1	1
<i>Aspergillus fumigatus</i> ^b	ND	<1	8	5	61	42
<i>Aspergillus niger</i> ^c	ND	<1	ND	<1	14	10
<i>Aspergillus ochraceus</i> ^d	ND	<1	1	1	ND	<1
<i>Aspergillus sydowii</i>	ND	<4	ND	<3	ND	<6
<i>Aspergillus ustus</i>	ND	<1	ND	<1	4	3
<i>Aspergillus versicolor</i>	ND	<1	ND	<1	14	10
<i>Chaetomium globosum</i>	ND	<1	ND	<1	1	1
<i>Cladosporium cladosporioides</i> (Type 1)	90	63	96	66	10000	7100
<i>Cladosporium cladosporioides</i> (Type 2)	ND	<1	1	1	29	20
<i>Cladosporium herbarum</i>	ND	<1	4	3	230	160
<i>Cladosporium sphaerospermum</i>	ND	<1	1	1	1	1
<i>Eurotium (Asp.) amstelodami</i> ^e	ND	<1	9	6	240	170
<i>Memnoniella echinata</i>	ND	<1	ND	<1	ND	<1
<i>Paecilomyces variotii</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium aurantiogriseum</i> ^f	ND	<1	ND	<1	56	39
<i>Penicillium brevicompactum</i>	1	1	6	4	45	31
<i>Penicillium chrysogenum</i> (Type 2) ^g	ND	<1	ND	<1	7	5
<i>Penicillium purpurogenum</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium variabile</i>	ND	<2	ND	<2	15	10
<i>Scopulariopsis brevicaulis</i> ^h	ND	<1	ND	<1	2	1
<i>Stachybotrys chartarum</i>	ND	<1	ND	<1	1	1
<i>Trichoderma viride</i> ⁱ	ND	<1	ND	<1	ND	<1
<i>Ulocladium botrytis</i>	ND	<1	ND	<1	ND	<1

* SE = Spore Equivalents, ND = Not Detected

^a Includes *A. flavus* and *A. oryzae*

^b Includes *A. fumigatus* and *Neosartorya fischeri*

^c Includes *A. niger*, *A. foetidus* and *A. phoenicis*

^d Includes *A. ochraceus* and *A. ostianus*

^e Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

^f Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

^g Includes dominant subgroup of species

^h Includes *S. brevicaulis* and *S. fusca*

ⁱ Includes *T. viride*, *T. atroviride* and *T. koningii*

Results:

Sample ID	21202001-8 P17		21202001-8 P18		21202001-8 P21	
	Air Volume [m ³]	1.419	SE*	SE/m3	SE*	SE/m3
Fungal ID						
<i>Acremonium strictum</i>	ND	<1	ND	<1	ND	<1
<i>Alternaria alternata</i>	1	1	ND	<1	ND	<1
<i>Aspergillus flavus</i> ^a	ND	<1	ND	<1	ND	<1
<i>Aspergillus fumigatus</i> ^b	4	3	ND	<1	3	2
<i>Aspergillus niger</i> ^c	ND	<1	ND	<1	ND	<1
<i>Aspergillus ochraceus</i> ^d	ND	<1	ND	<1	ND	<1
<i>Aspergillus sydowii</i>	ND	<6	ND	<7	ND	<6
<i>Aspergillus ustus</i>	ND	<1	ND	<1	ND	<1
<i>Aspergillus versicolor</i>	ND	<1	ND	<1	ND	<1
<i>Chaetomium globosum</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium cladosporioides</i> (Type 1)	110	78	37	27	83	57
<i>Cladosporium cladosporioides</i> (Type 2)	ND	<1	1	1	ND	<1
<i>Cladosporium herbarum</i>	1	1	1	1	1	1
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	ND	<1
<i>Eurotium (Asp.) amstelodami</i> ^e	ND	<1	ND	<1	ND	<1
<i>Memnoniella echinata</i>	ND	<1	ND	<1	ND	<1
<i>Paecilomyces variotii</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium aurantiogriseum</i> ^f	ND	<2	ND	<2	ND	<2
<i>Penicillium brevicompactum</i>	13	9	24	18	15	10
<i>Penicillium chrysogenum</i> (Type 2) ^g	ND	<1	ND	<1	ND	<1
<i>Penicillium purpurogenum</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium variabile</i>	ND	<4	ND	<4	ND	<4
<i>Scopulariopsis brevicaulis</i> ^h	ND	<1	ND	<1	ND	<1
<i>Stachybotrys chartarum</i>	ND	<1	ND	<1	ND	<1
<i>Trichoderma viride</i> ⁱ	ND	<1	ND	<1	ND	<1
<i>Ulocladium botrytis</i>	ND	<1	ND	<1	ND	<1

* SE = Spore Equivalents, ND = Not Detected

^a Includes *A. flavus* and *A. oryzae*

^b Includes *A. fumigatus* and *Neosartorya fischeri*

^c Includes *A. niger*, *A. foetidus* and *A. phoenicis*

^d Includes *A. ochraceus* and *A. ostianus*

^e Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

^f Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

^g Includes dominant subgroup of species

^h Includes *S. brevicaulis* and *S. fusca*

ⁱ Includes *T. viride*, *T. atroviride* and *T. koningii*

Results:

Sample ID	21202001-8 P25 Out		21202001-8 P26		21202001-8 P28	
Air Volume [m ³]	1.436		1.357		1.424	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Acremonium strictum</i>	4	3	ND	<1	ND	<1
<i>Alternaria alternata</i>	37	26	ND	<1	ND	<1
<i>Aspergillus flavus</i> ^a	ND	<1	ND	<1	ND	<1
<i>Aspergillus fumigatus</i> ^b	61	42	ND	<1	ND	<1
<i>Aspergillus niger</i> ^c	4	3	ND	<1	ND	<1
<i>Aspergillus ochraceus</i> ^d	ND	<1	ND	<1	ND	<1
<i>Aspergillus sydowii</i>	ND	<6	ND	<6	ND	<6
<i>Aspergillus ustus</i>	ND	<1	ND	<1	ND	<1
<i>Aspergillus versicolor</i>	3	2	ND	<1	ND	<1
<i>Chaetomium globosum</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium cladosporioides</i> (Type 1)	11000	7600	180	130	21	15
<i>Cladosporium cladosporioides</i> (Type 2)	49	34	3	2	1	1
<i>Cladosporium herbarum</i>	430	300	3	2	4	3
<i>Cladosporium sphaerospermum</i>	1	1	ND	<1	1	1
<i>Eurotium (Asp.) amstelodami</i> ^e	360	250	ND	<1	ND	<1
<i>Memnoniella echinata</i>	ND	<1	ND	<1	ND	<1
<i>Paecilomyces variotii</i>	1	1	ND	<1	ND	<1
<i>Penicillium aurantiogriseum</i> ^f	ND	<2	ND	<2	ND	<2
<i>Penicillium brevicompactum</i>	57	40	31	23	2	2
<i>Penicillium chrysogenum</i> (Type 2) ^g	ND	<1	ND	<1	ND	<1
<i>Penicillium purpurogenum</i>	23	16	ND	<1	ND	<1
<i>Penicillium variable</i>	ND	<3	ND	<3	ND	<3
<i>Scopulariopsis brevicaulis</i> ^h	ND	<1	ND	<1	ND	<1
<i>Stachybotrys chartarum</i>	ND	<1	ND	<1	ND	<1
<i>Trichoderma viride</i> ⁱ	ND	<1	ND	<1	ND	<1
<i>Ulocladium botrytis</i>	ND	<1	ND	<1	ND	<1

* SE = Spore Equivalents, ND = Not Detected

^a Includes *A. flavus* and *A. oryzae*

^b Includes *A. fumigatus* and *Neosartorya fischeri*

^c Includes *A. niger*, *A. foetidus* and *A. phoenicis*

^d Includes *A. ochraceus* and *A. ostianus*

^e Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

^f Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

^g Includes dominant subgroup of species

^h Includes *S. brevicaulis* and *S. fusca*

ⁱ Includes *T. viride*, *T. atroviride* and *T. koningii*

Results:

Sample ID	21202001-8 P32		21202001-8 P35		21202001-8 P37 Out	
Air Volume [m ³]	1.453		1.427		1.341	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Acremonium strictum</i>	ND	<1	ND	<1	ND	<1
<i>Alternaria alternata</i>	ND	<1	ND	<1	13	9
<i>Aspergillus flavus</i> ^a	ND	<1	ND	<1	ND	<1
<i>Aspergillus fumigatus</i> ^b	8	6	ND	<1	7	5
<i>Aspergillus niger</i> ^c	2	1	ND	<1	10	8
<i>Aspergillus ochraceus</i> ^d	ND	<1	ND	<1	1	1
<i>Aspergillus sydowii</i>	ND	<6	ND	<6	ND	<5
<i>Aspergillus ustus</i>	ND	<1	ND	<1	1	1
<i>Aspergillus versicolor</i>	ND	<1	ND	<1	3	2
<i>Chaetomium globosum</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium cladosporioides</i> (Type 1)	160	110	30	21	3200	2400
<i>Cladosporium cladosporioides</i> (Type 2)	1	1	1	1	88	65
<i>Cladosporium herbarum</i>	1	1	1	1	58	43
<i>Cladosporium sphaerospermum</i>	1	1	ND	<1	1	1
<i>Eurotium (Asp.) amstelodami</i> ^e	ND	<1	ND	<1	120	87
<i>Memnoniella echinata</i>	ND	<1	ND	<1	ND	<1
<i>Paecilomyces variotii</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium aurantiogriseum</i> ^f	ND	<2	12	8	24	18
<i>Penicillium brevicompactum</i>	5	3	10	7	37	27
<i>Penicillium chrysogenum</i> (Type 2) ^g	ND	<1	2	2	ND	<1
<i>Penicillium purpurogenum</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium variable</i>	ND	<4	ND	<3	ND	<3
<i>Scopulariopsis brevicaulis</i> ^h	ND	<1	ND	<1	1	1
<i>Stachybotrys chartarum</i>	ND	<1	ND	<1	ND	<1
<i>Trichoderma viride</i> ⁱ	ND	<1	ND	<1	ND	<1
<i>Ulocladium botrytis</i>	ND	<1	ND	<1	ND	<1

* SE = Spore Equivalents, ND = Not Detected

^a Includes *A. flavus* and *A. oryzae*

^b Includes *A. fumigatus* and *Neosartorya fischeri*

^c Includes *A. niger*, *A. foetidus* and *A. phoenicis*

^d Includes *A. ochraceus* and *A. ostianus*

^e Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

^f Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

^g Includes dominant subgroup of species

^h Includes *S. brevicaulis* and *S. fusca*

ⁱ Includes *T. viride*, *T. atroviride* and *T. koningii*

Results:

Sample ID	21202001-8 P38 Blank	
Air Volume [m ³]	NA	
Fungal ID	SE*	SE/sample
<i>Acremonium strictum</i>	ND	<1
<i>Alternaria alternata</i>	ND	<1
<i>Aspergillus flavus</i> ^a	ND	<1
<i>Aspergillus fumigatus</i> ^b	ND	<1
<i>Aspergillus niger</i> ^c	ND	<1
<i>Aspergillus ochraceus</i> ^d	ND	<1
<i>Aspergillus sydowii</i>	ND	<8
<i>Aspergillus ustus</i>	ND	<1
<i>Aspergillus versicolor</i>	ND	<1
<i>Chaetomium globosum</i>	ND	<1
<i>Cladosporium cladosporioides</i> (Type 1)	ND	<1
<i>Cladosporium cladosporioides</i> (Type 2)	ND	<1
<i>Cladosporium herbarum</i>	ND	<1
<i>Cladosporium sphaerospermum</i>	ND	<1
<i>Eurotium (Asp.) amstelodami</i> ^e	ND	<1
<i>Memnoniella echinata</i>	ND	<1
<i>Paecilomyces variotii</i>	ND	<1
<i>Penicillium aurantiogriseum</i> ^f	ND	<2
<i>Penicillium brevicompactum</i>	ND	<2
<i>Penicillium chrysogenum</i> (Type 2) ^g	ND	<1
<i>Penicillium purpurogenum</i>	ND	<1
<i>Penicillium variable</i>	ND	<4
<i>Scopulariopsis brevicaulis</i> ^h	ND	<1
<i>Stachybotrys chartarum</i>	ND	<1
<i>Trichoderma viride</i> ⁱ	ND	<1
<i>Ulocladium botrytis</i>	ND	<1

* SE = Spore Equivalents, ND = Not Detected

^a Includes *A. flavus* and *A. oryzae*

^b Includes *A. fumigatus* and *Neosartorya fischeri*

^c Includes *A. niger*, *A. foetidus* and *A. phoenicis*

^d Includes *A. ochraceus* and *A. ostianus*

^e Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

^f Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

^g Includes dominant subgroup of species

^h Includes *S. brevicaulis* and *S. fusca*

ⁱ Includes *T. viride*, *T. atroviride* and *T. koningii*

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HYGIENE

Hygiene Technologies International, Inc.

000894269

3625 Del Amo Boulevard, Suite 190
Torrance, California 90503-1643
(310) 370-6370
(310) 370-2474 FAX
www.hygenetech.com

Request For Analysis

Project Number/Purchase Order: 21202001-8 Date Submitted: 2/27/12
 Project Contact: L.Sandhu / K.Hsi Turnaround Required: Normal
 Lab Destination: EMLAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21202001-8 Polout	1466L	37mm 3PCO4Unpaf	PCR Custom panel (Clostridium)
21202001-8 P02	1495L		
21202001-8 P03	1517L		
21202001-8 P04	1546L		
21202001-8 P05	1552L		
21202001-8 P06	1469L		
21202001-8 P07	1444L		
21202001-8 P08	1455L		
21202001-8 P09	1485L		
21202001-8 P10	1469L		
21202001-8 P11	1455L		
21202001-8 P12	1447L	✓	↓

Special Instructions: Please also analyze Samples polout, P02, P04, P07, P11 for PCR 23 Analysis

1. Sampled by: Jessica Kwan 2/24/12 @ 4:57 Received by: _____
 2. Relinquished by: Jessica Kwan 2/27/12 @ 19:30 Received by: _____
 3. Relinquished by: _____ Received by: _____
- Please include signature, date, and time

Lab Use Only:

2/29/12 Joddy JJB/100



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Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 212001001-8

Date Submitted: 2/27/12

Project Contact: L. Sandlin / K. Hess

Turnaround Required: Normal

Lab Destination: Fm~~PL~~ LAB

Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
2120001-8 P13out	1440 L	37mm 394 0.4mm PCP	PCR Custom panel (<i>Cladosporum</i>)
2120001-8 P14	1412 L		
2120001-8 P15	1410 L		
2120001-8 P16	1394 L		
2120001-8 P17	1419 L		
2120001-8 P18	1372 L		
2120001-8 P19	1402 L		
2120001-8 P20	1426 L		
2120001-8 P21	1455 L		
2120001-8 P22	1435 L		
2120001-8 P23	1411 L		
2120001-8 P24	1359 L		✓
			✓

Special Instructions: please also analyze samples P13 out,
P17, P18 & P21 for PCR 23 analysis

1. Sampled by: Stendahl on 2/26/12 @ 8:19 Received by: _____
 2. Relinquished by: Stendahl on 2/27/12 @ 9:30 Received by: _____
 3. Relinquished by: _____ Received by: _____
- Please include signature, date, and time

Lab Use Only:

2/29/12 SDH JM 100

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Request For Analysis

Project Number/Purchase Order: 21202001-8 Date Submitted: 2/27/12

Project Contact: L. Sandhu / k.hsi Turnaround Required: Normal

Lab Destination: EMPI LAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21202001-8 P250UT	1436L	3.7mm 37°C 0.4MMPER	PCR Custom panel (Clostridium)
21202001-8 P26	1357L		
21202001-8 P27	1436L		
21202001-8 P28	1424L		
21202001-8 P29	1418L		
21202001-8 P30	1403L		
21202001-8 P31	1356L		
21202001-8 P32	1453L		
21202001-8 P33	1411L		
21202001-8 P34	1399L		
21202001-8 P35	1427L		
21202001-8 P36	1332L		
21202001-8 P370UT	1341L		
21202001-8 P38BLANK	N/A		

Special Instructions: Please also analyze samples P250UT
P370UT, P38BLANK, P30, P32, P26, P28, P35
for PCR 23 Analysis

1. Sampled by: T. Sandhu on 2/21/12 @ 10:37 Received by: _____
2. Relinquished by: T. Sandhu on 2/27/12 @ 9:30 Received by: _____
3. Relinquished by: _____ Received by: _____
Please include signature, date, and time

Lab Use Only:

2/29/12 T. Sandhu DPP (00-1)